

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 16 MAY 2005

International Application No
PCT/EP 02/12814

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B1/707

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 201 828 B1 (KOTOV ANATOLI V ET AL) 13 March 2001 (2001-03-13) abstract; claim 1; figures 2,3	1-8
A	US 5 832 023 A (LATVA-AHO MATTI) 3 November 1998 (1998-11-03) abstract column 1, line 51 - line 65; figure 1 column 2, line 57 - line 61 column 3, line 64 - column 4, line 48; figure 4 — — — — — — / —	1-8

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

*** Special categories of cited documents:**

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search

31 July 2003

Date of mailing of the international search report

13/08/2003

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WILDE A: "Delay-locked loop with generalized detector characteristic" 1996 IEEE 4TH INTERNATIONAL SYMPOSIUM ON SPREAD SPECTRUM TECHNIQUES AND APPLICATIONS PROCEEDINGS. TECHNICAL PROGRAM. (CAT. NO.96TH8210), PROCEEDINGS OF ISSSTA'95 INTERNATIONAL SYMPOSIUM ON SPREAD SPECTRUM TECHNIQUES AND APPLICATIONS, MAINZ, GERMANY, , pages 450-454 vol.1, XP002249720 1996, New York, NY, USA, IEEE, USA ISBN: 0-7803-3567-8 page 450 -page 451; figures 1,2</p>	1-8

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6201828	B1	13-03-2001	AU AU	759560 B2 5932799 A
				17-04-2003 18-05-2000
US 5832023	A	03-11-1998	FI	943776 A
				17-02-1996